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【57】 Industrial AI at work: Cyber Physical Production Systems and Cognitive Services for Power Line Systems at Siemens Austria

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This talk shows two examples of applied Industrial Artificial Intelligence at Siemens Austria, which are already close to production quality and usage. They cover a broad range of AI techniques including both symbolic and data-driven AI concepts.

Firstly, a cyber-physical production system with co-operating robots, optimal production planning and deductive reasoning for a so-called producibility check where the product steers its production. Secondly, an application with autonomously flying vehicles (drones) with high-resolution cameras and an image analytics algorithm with machine learning for anomaly detection to spot failures on power line systems.

For such state-of-the-art multi-disciplinary applications new job profiles emerge. Talents understanding physics and informatics plus some background in data analytics and statistics are necessary to cope with those challenges.

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